

MPFX series

Maximum working pressure up to 800 kPa (8 bar) - Flow rate up to 900 l/min





THE NEW FILTER CONCEPT

MPFX
MPLX
MPTX
MFBX
MFX
series

NEW FILTER ELEMENT WITH EXCLUSIVE INTERFACE CONNECTION

- **Protects the machine from improper use of non-original products.**
- **Safety of constant quality protection & reliability**

With exclusive filter element you are sure that only MP Filtri filter elements can be used, ensuring the best cleaning level of the oil due to the use of originals filter elements.



Filter element featuring our UNIQUE end cap with polygonal design.



UNIQUE polygonal spigot fitting within the filter bowl.

The products identified as MPFX, MPLX, MPTX, MFBX and MFX are protected by:

Italian Patent n° 102014902261205

Canadian Patent n° 2,937,258

and by the following patent applications:

European Patent n° 16181725.9

US Patent Pending n° 15/224,337

MPFX GENERAL INFORMATION

Description

Return filter

Maximum working pressure up to 800 kPa (8 bar)
Flow rate up to 900 l/min

MPFX is a range of return filters for protection of the reservoir against the system contamination.
They are directly fixed to the reservoir, in immersed or semi-immersed position.
The filter output must be always immersed into the fluid to avoid aeration or foam generation into the reservoir.

Available features:

- Female threaded connections up to 2" and flanged connections up to 2", for a maximum flow rate of 750 l/min
- Multiple connections, to connect several return lines or drains
- Fine filtration rating, to get a good cleanliness level into the reservoir
- Bypass valve integrated into the filter element, to relieve excessive pressure drop across the filter media
- 2, 3 or 4 fixing holes for installation, to suit a variety of reservoir surfaces
- O-ring or Flat Seal to suit a variety of reservoir surfaces
- Oil dipstick, to easily check the level of the fluid into the reservoir (sold as separate item)
- Extension tube, to be used in deep reservoirs (sold as separate item)
- Diffuser, to reduce the risk of aeration, foaming and noise (sold as separate item)
- Filler plug, to fill cleaned fluid into the tank without an additional connection
- Visual, electrical and electronic clogging indicators
- MYclean interface connection, to protect the product against non-original spare parts
- External protective wrap, to optimize the flow through the element and to save the element efficiency against non-proper handling

Common applications:

- Light Industrial equipment
- Mobile application

Technical data

Filter housing materials

- Head: Aluminium
- Cover
 - Nylon: MPFX 030-100-104-110
 - Aluminium: MPFX 181-182-184-191-192-194-400-410-450-451-750
- Bowl: Nylon

Bypass valve

- Opening pressure 175 kPa (1.75 bar) ±10%
- Opening pressure 300 kPa (3 bar) ±10%

Δp element type

- Microfiber filter elements - series H: 10 bar
- Fluid flow through the filter element from OUT to IN

Seals

- Standard NBR series A
- Optional FPM series V

Temperature

From -25 °C to +110 °C

Note

MPFX filters are provided for vertical mounting



Weights [kg] and volumes [dm³]

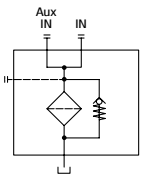
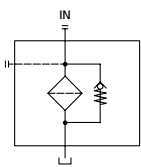
Filter series	Weights [kg]					Volumes [dm³]				
	Length	1	2	3	4	Length	1	2	3	4
MPFX 030		0.40	-	-	-		0.29	-	-	-
MPFX 100		0.61	0.64	0.67	0.74		0.64	0.85	1.20	1.65
MPFX 104		0.82	0.96	1.02	1.25		0.64	0.85	1.20	1.65
MPFX 110		0.64	0.68	0.71	0.78		-	-	-	-
MPFX 181		2.20	3.00	-	-		2.50	4.00	-	-
MPFX 182		2.30	3.10	-	-		2.50	4.00	-	-
MPFX 184		2.55	3.45	-	-		2.65	4.45	-	-
MPFX 191		-	3.00	-	-		-	4.25	-	-
MPFX 192		-	3.10	-	-		-	4.25	-	-
MPFX 194		-	3.45	-	-		-	4.45	-	-
MPFX 400		3.35	3.65	3.90	-		3.70	4.60	5.40	-
MPFX 410		3.55	3.85	4.10	-		3.70	4.60	5.40	-
MPFX 450-451		3.95	4.25	4.50	-		3.70	4.60	5.40	-
MPFX 750		6.30	-	-	-		8.45	-	-	-

Filter series	Length	Filter element design - H series					Filter element design - N series		
		A03	A06	A10	A16	A25	M25 M60 M90	P10	P25
MPFX 030	1	7	10	24	29	47	84	60	66
MPFX 100-104-110	1	18	20	53	56	65	153	87	96
	2	28	38	65	75	95	158	111	123
	3	48	55	125	135	169	289	224	251
	4	79	89	180	185	198	306	264	289
MPFX 181-182-184	1	127	148	235	243	278	441	285	299
	2	231	262	358	382	388	472	404	412
MPFX 191-192-194	2	261	305	489	528	546	696	583	598
MPFX 400	1	150	171	294	304	350	585	370	390
	2	237	252	454	462	589	868	619	645
	3	248	288	553	609	621	885	680	703
MPFX 410	1	146	167	277	285	325	512	341	357
	2	226	239	396	402	485	644	503	519
	3	236	269	462	497	505	653	539	553
MPFX 450-451	1	150	171	294	304	350	585	370	390
	2	237	252	454	462	589	868	619	645
	3	248	288	553	609	621	885	680	703
MPFX 750	1	392	465	623	700	769	929	804	819

Maximum flow rate for a complete return filter with a pressure drop $\Delta p = 0.5$ bar.
The reference fluid has a kinematic viscosity of 30 mm²/s (cSt) and a density of 0.86 kg/dm³.
For different pressure drop or fluid viscosity we recommend to use our selection software available on www.mpfiltri.com.
You can also calculate the right size using the formulas present on the FILTER SIZING paragraph at the beginning of the full catalogue or at the beginning of the filter family brochure.
Please, contact our Sales Department for further additional information.

Hydraulic symbols

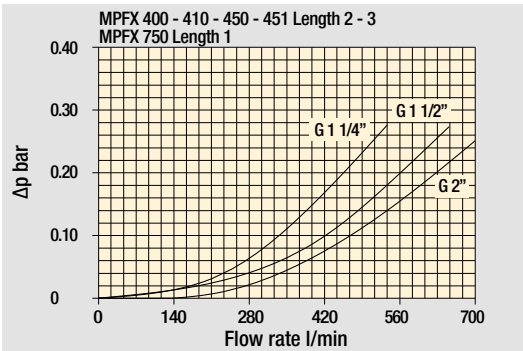
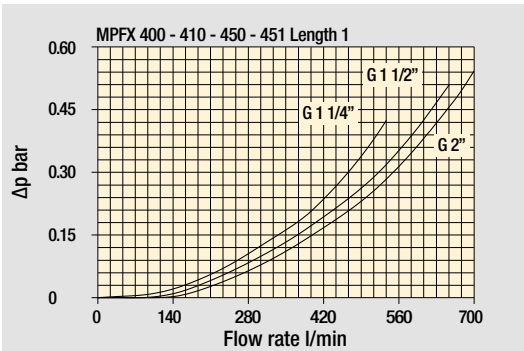
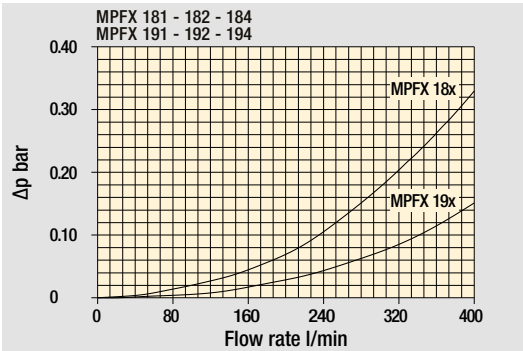
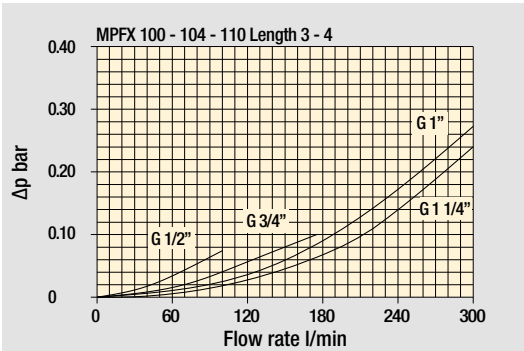
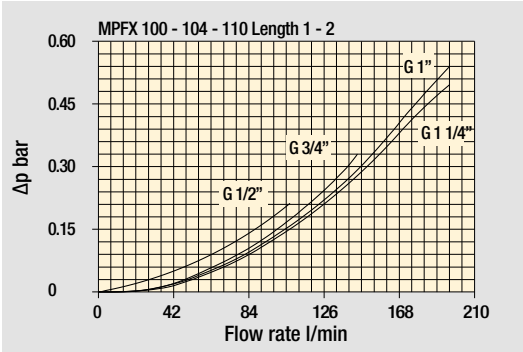
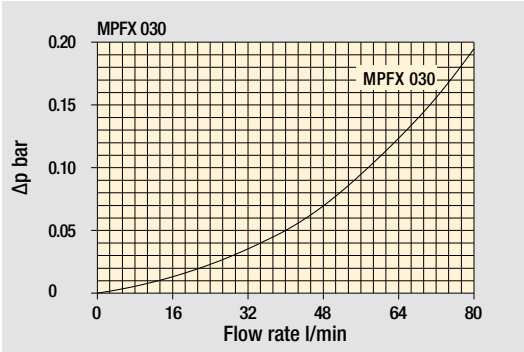
Filter series	Style 1 connection	Style 2 connections
MPFX 030	•	
MPFX 100	•	
MPFX 104	•	
MPFX 110		•
MPFX 181	•	
MPFX 182		•
MPFX 184	•	•
MPFX 191	•	
MPFX 192	•	
MPFX 194	•	•
MPFX 400	•	
MPFX 410		•
MPFX 450	•	
MPFX 451		•
MPFX 750	•	



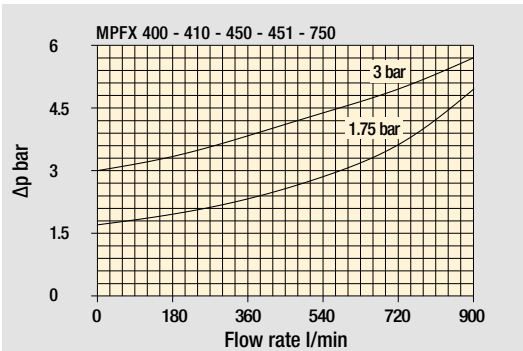
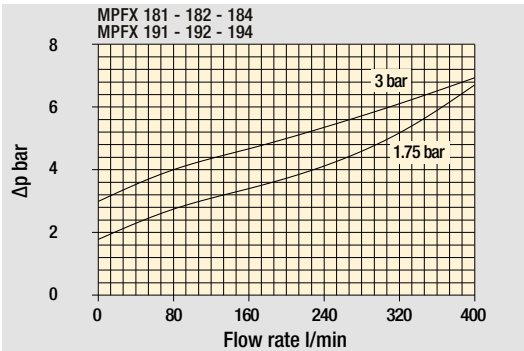
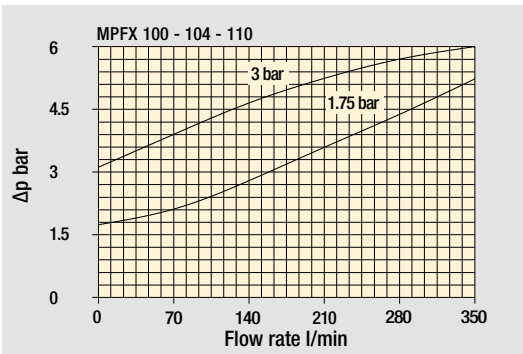
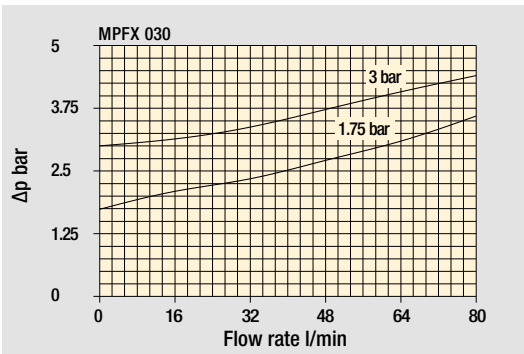
MPFX GENERAL INFORMATION

Pressure drop

Filter housings Δp pressure drop



Bypass valve pressure drop

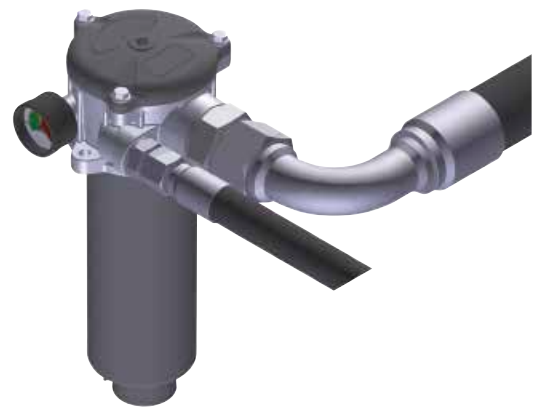


The curves are plotted using mineral oil with density of 0.86 kg/dm³ in compliance with ISO 3968. Δp varies proportionally with density.

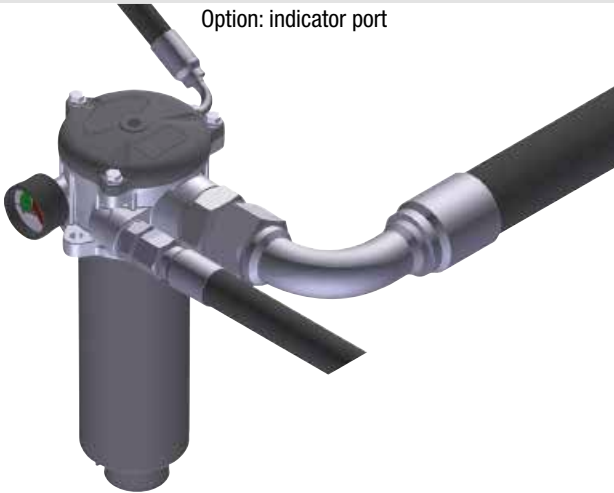
Standard - Single IN port



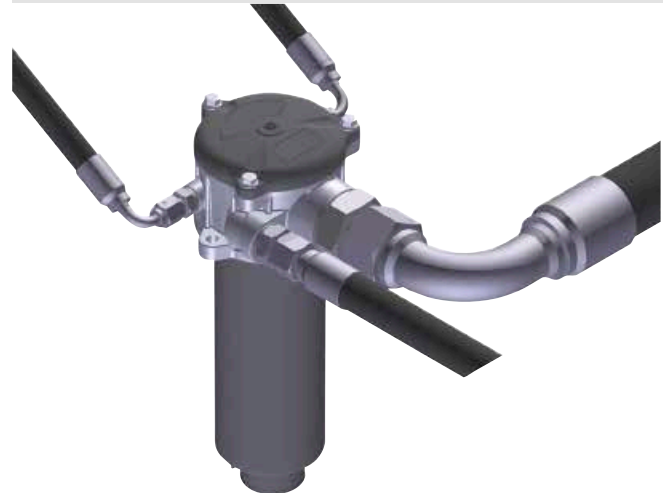
Double IN port
Option: double indicator port



Double IN port - Drain port
Option: indicator port



Double IN port - Double drain port



Designation & Ordering code

COMPLETE FILTER

Series and size

MPFX030 Filter element with private spigot

Length

1

Seals and treatments

A NBR

V FPM

W NBR head anodized

Z FPM head anodized

Connections

G1 G 1/2"

G4 1/2" NPT

G7 SAE 8 - 3/4" - 16 UNF

Filtration rating (filter media)

A03 Inorganic microfiber

A06 Inorganic microfiber

A10 Inorganic microfiber

A16 Inorganic microfiber

A25 Inorganic microfiber

M25 Wire mesh

M60 Wire mesh

M90 Wire mesh

P10 Resin impregnated paper 10 µm

P25 Resin impregnated paper

Element Δp

N 10 bar

H 10 bar

W 10 bar, compatible with fluids HFA, HFB and HFC

Filter media

Axx

Mxx

Pxx

Configuration example 1:

MPFX030

1

V

G1

M25

N

B

P01

Configuration example 2:

MPFX030

1

A

G4

A10

H

E

P01

Bypass valve

E 3 bar

B 1.75 bar

Execution

P01 MP Filtri standard

Pxx Customized

FILTER ELEMENT

Element series and size

MPFX030 Filter element with private spigot

Element length

1

Filtration rating (filter media)

A03 Inorganic microfiber 3 µm

A06 Inorganic microfiber 6 µm

A10 Inorganic microfiber 10 µm

A16 Inorganic microfiber 16 µm

A25 Inorganic microfiber 25 µm

M25 Wire mesh 25 µm

M60 Wire mesh 60 µm

M90 Wire mesh 90 µm

P10 Resin impregnated paper 10 µm

P25 Resin impregnated paper 25 µm

Element Δp

N 10 bar

H 10 bar

W 10 bar, compatible with fluids HFA, HFB and HFC

Filter media

Axx

Mxx

Pxx

Configuration example 1:

MPFX030

1

M25

N

V

P01

Configuration example 2:

MPFX030

1

A10

H

B

E

P01

Seals

B NBR

V FPM

Bypass valve

E 3 bar

1.75 bar

Execution

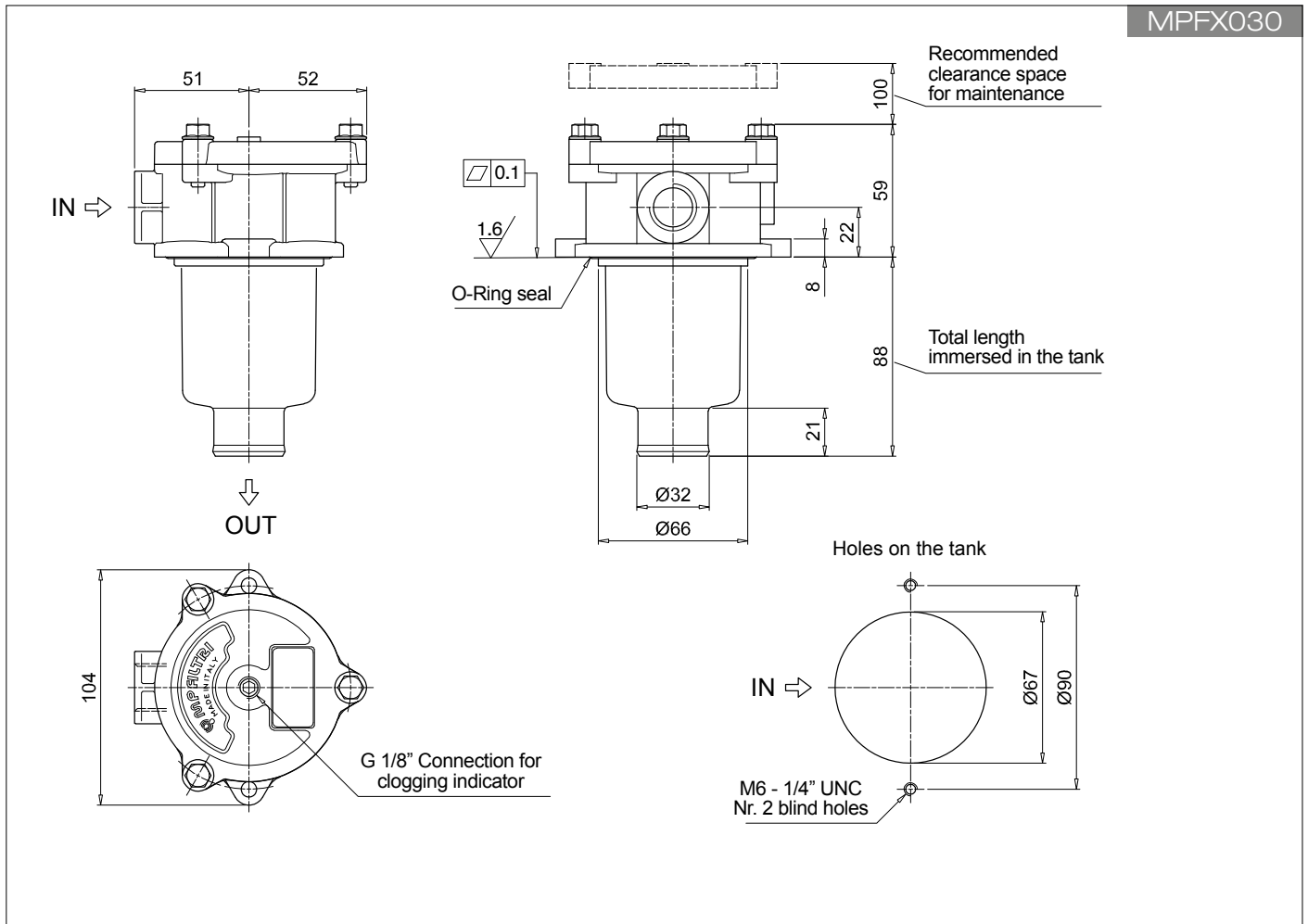
P01 MP Filtri standard

Pxx Customized

ACCESSORIES			
Indicators		page	
BVA	Axial pressure gauge	240	BEA Electrical pressure indicator
BVR	Radial pressure gauge	240	BEM Electrical pressure indicator
BVP	Visual pressure indicator with automatic reset	241	BLA Electrical / visual pressure indicator
BVQ	Visual pressure indicator with manual reset	241	
Additional features		page	
TE	Extension tube	248	
T5	Filler plug M30x1.5	249	



MPFX030



MPFX MPFX100 - MPFX104

Designation & Ordering code

COMPLETE FILTER

Series and size

MPFX100 MPFX104 Filter element with private spigot

Length

1 | 2 | 3 | 4 |

Seals and treatments

A NBR
V FPM
W NBR head anodized
Z FPM head anodized

Connections

	Size 100	Size 104
G1 G 1/2"	•	•
G2 G 3/4"	•	•
G3 G 1"	•	•
G4 1/2" NPT	•	•
G5 3/4" NPT	•	•
G6 1" NPT	•	•

Filtration rating (filter media)

A03 Inorganic microfiber 3 µm	M25 Wire mesh 25 µm
A06 Inorganic microfiber 6 µm	M60 Wire mesh 60 µm
A10 Inorganic microfiber 10 µm	M90 Wire mesh 90 µm
A16 Inorganic microfiber 16 µm	P10 Resin impregnated paper 10 µm
A25 Inorganic microfiber 25 µm	P25 Resin impregnated paper 25 µm

Element Δp

	Axx	Mxx	Pxx
N 10 bar		•	•
H 10 bar	•		
W 10 bar, compatible with fluids HFA, HFB and HFC	•	•	

Configuration example 1:

MPFX1002W G3 A06 W B P01

Configuration example 2:

MPFX1044A G8 P10 N E P01

Bypass valve

E 3 bar
B 1.75 bar

Execution

P01 MP Filtri standard
Pxx Customized

FILTER ELEMENT

Element series and size

MPFX100 Filter element with private spigot

Element length

1 | 2 | 3 | 4 |

Filtration rating (filter media)

A03 Inorganic microfiber 3 µm	M25 Wire mesh 25 µm
A06 Inorganic microfiber 6 µm	M60 Wire mesh 60 µm
A10 Inorganic microfiber 10 µm	M90 Wire mesh 90 µm
A16 Inorganic microfiber 16 µm	P10 Resin impregnated paper 10 µm
A25 Inorganic microfiber 25 µm	P25 Resin impregnated paper 25 µm

Element Δp

	Axx	Mxx	Pxx
N 10 bar		•	•
H 10 bar	•		
W 10 bar, compatible with fluids HFA, HFB and HFC	•	•	

Configuration example 1:

MPFX1002A06 W B P01

Configuration example 2:

MPFX1004P10 N B E P01

Seals

B NBR
V FPM

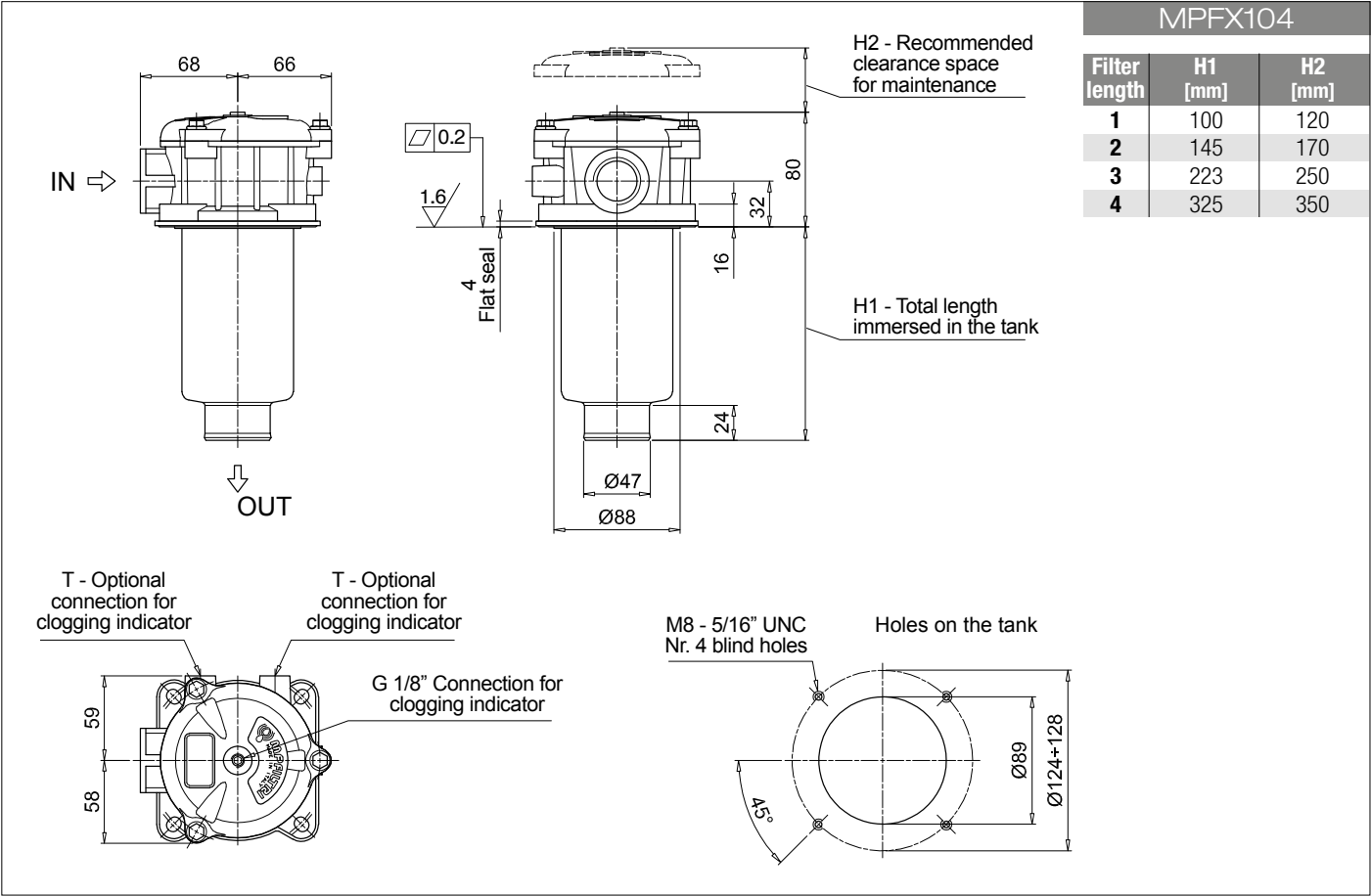
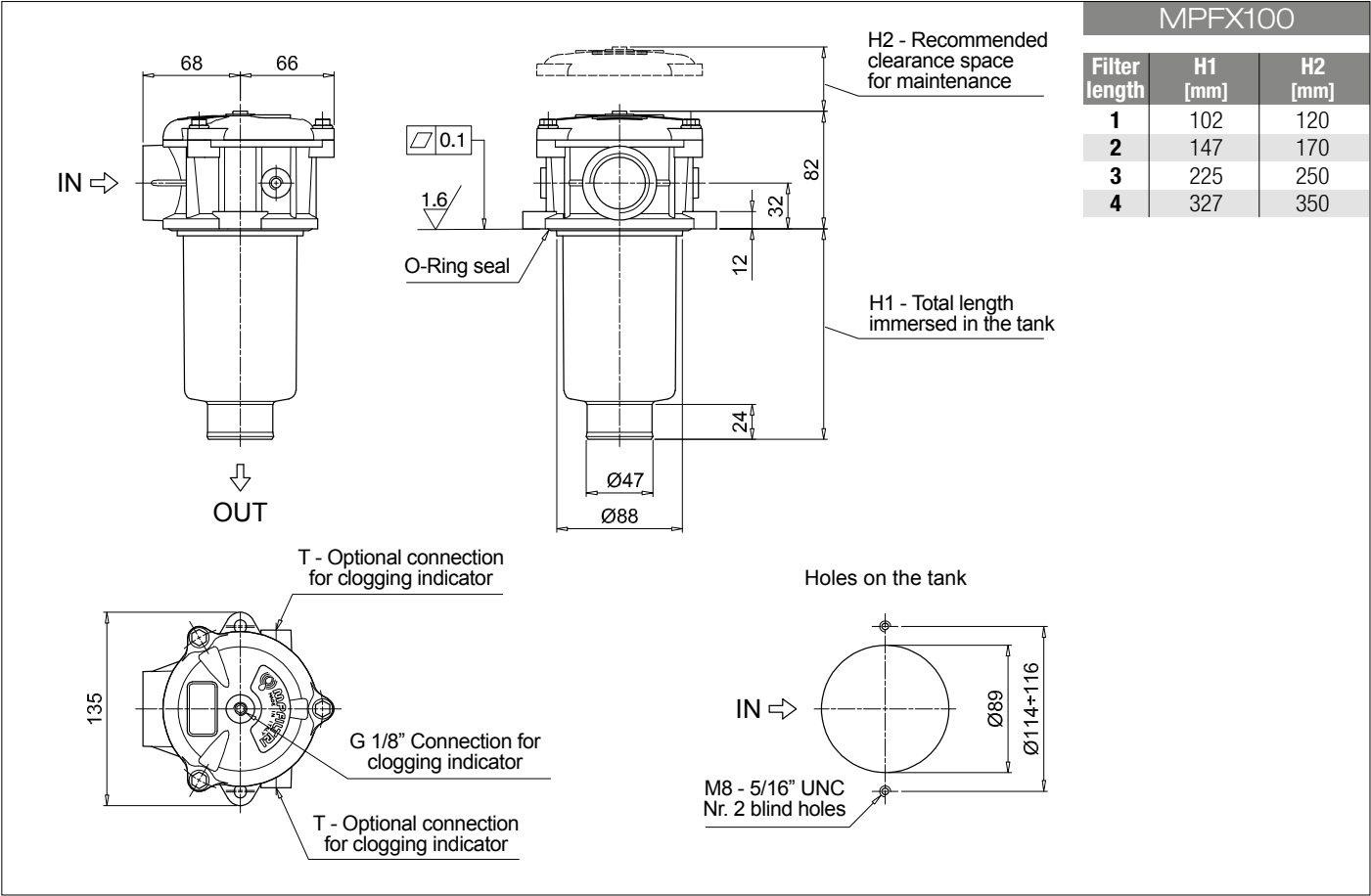
Bypass valve

E 3 bar
1.75 bar

Execution

P01 MP Filtri standard
Pxx Customized

ACCESSORIES			
Indicators		page	page
BVA	Axial pressure gauge	240	BEA Electrical pressure indicator 239
BVR	Radial pressure gauge	240	BEM Electrical pressure indicator 239
BVP	Visual pressure indicator with automatic reset	241	BLA Electrical / visual pressure indicator 239-240
BVQ	Visual pressure indicator with manual reset	241	
Additional features		page	page
TE	Extension tube	248	T5 Filler plug M30x1.5 249
DFS	Diffuser with fast lock connection	249	DPT Dipstick 249

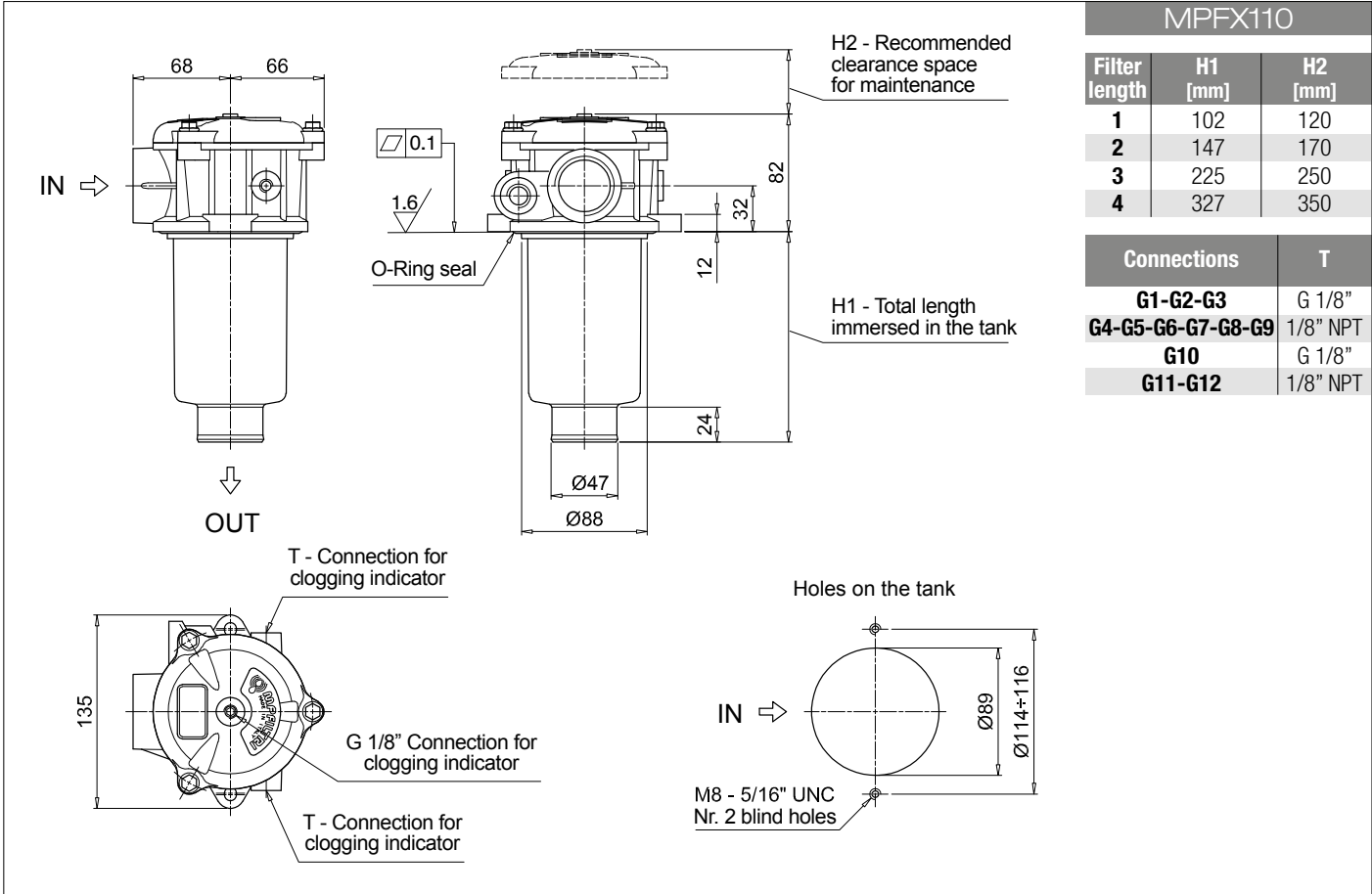


Designation & Ordering code

COMPLETE FILTER									
Series and size			Configuration example 1:						
MPFX110 Filter element with private spigot			Configuration example 2:						
Length									
1 2 3 4									
Seals and treatments									
A NBR			W NBR head anodized						
V FPM			Z FPM head anodized						
Main Connections			Main Connections			Aux size 1			
G1 G 1/2"			G7 SAE 8 - 3/4" - 16 UNF			SAE 6 - 9/16" - 18 UNF			
G2 G 3/4"			G8 SAE 12 - 1 1/16" - 12 UN			SAE 8 - 3/4" - 16 UNF			
G3 G 1"			G9 SAE 16 - 1 5/16" - 12 UN						
G4 1/2" NPT			G10 G 1 1/4"			G 3/8"			
G5 3/4" NPT			G11 1 1/4" NPT			3/8" NPT			
G6 1" NPT			G12 SAE 20 - 1 5/8" - 12 UN			SAE 6 - 9/16" - 18 UNF			
Aux connection - see previous table									
1 Aux size 1			2 Aux size 2						
Filtration rating (filter media)									
A03 Inorganic microfiber 3 µm			M25 Wire mesh 25 µm						
A06 Inorganic microfiber 6 µm			M60 Wire mesh 60 µm						
A10 Inorganic microfiber 10 µm			M90 Wire mesh 90 µm						
A16 Inorganic microfiber 16 µm			P10 Resin impregnated paper 10 µm						
A25 Inorganic microfiber 25 µm			P25 Resin impregnated paper 25 µm						
Element Δp			Filter media						
N 10 bar			Axx Mxx Pxx						
H 10 bar									
W 10 bar, compatible with fluids HFA, HFB and HFC									
			Bypass valve			Execution			
			E 3 bar			P01 MP Filtri standard			
			B 1.75 bar			Pxx Customized			

FILTER ELEMENT									
Element series and size			Configuration example 1: MFX100 3 M25 W V P01						
MFX100 Filter element with private spigot			Configuration example 2: MFX100 4 P10 N B E P01						
Element length									
1 2 3 4									
Filtration rating (filter media)									
A03 Inorganic microfiber 3 µm			M25 Wire mesh 25 µm						
A06 Inorganic microfiber 6 µm			M60 Wire mesh 60 µm						
A10 Inorganic microfiber 10 µm			M90 Wire mesh 90 µm						
A16 Inorganic microfiber 16 µm			P10 Resin impregnated paper 10 µm						
A25 Inorganic microfiber 25 µm			P25 Resin impregnated paper 25 µm						
Element Δp			Filter media						
N 10 bar			Axx Mxx Pxx						
H 10 bar									
W 10 bar, compatible with fluids HFA, HFB and HFC									
			Seals			Bypass valve		Execution	
			B NBR			E 3 bar		P01 MP Filtri standard	
			V FPM			1.75 bar		Pxx Customized	

ACCESSORIES				
Indicators		page	page	
BVA	Axial pressure gauge	240	BEA	Electrical pressure indicator 239
BVR	Radial pressure gauge	240	BEM	Electrical pressure indicator 239
BVP	Visual pressure indicator with automatic reset	241	BLA	Electrical / visual pressure indicator 239-240
BVQ	Visual pressure indicator with manual reset	241		
Additional features		page	page	
TE	Extension tube	248	T5	Filler plug M30x1.5 249
DFS	Diffuser with fast lock connection	249	DPT	Dipstick 249



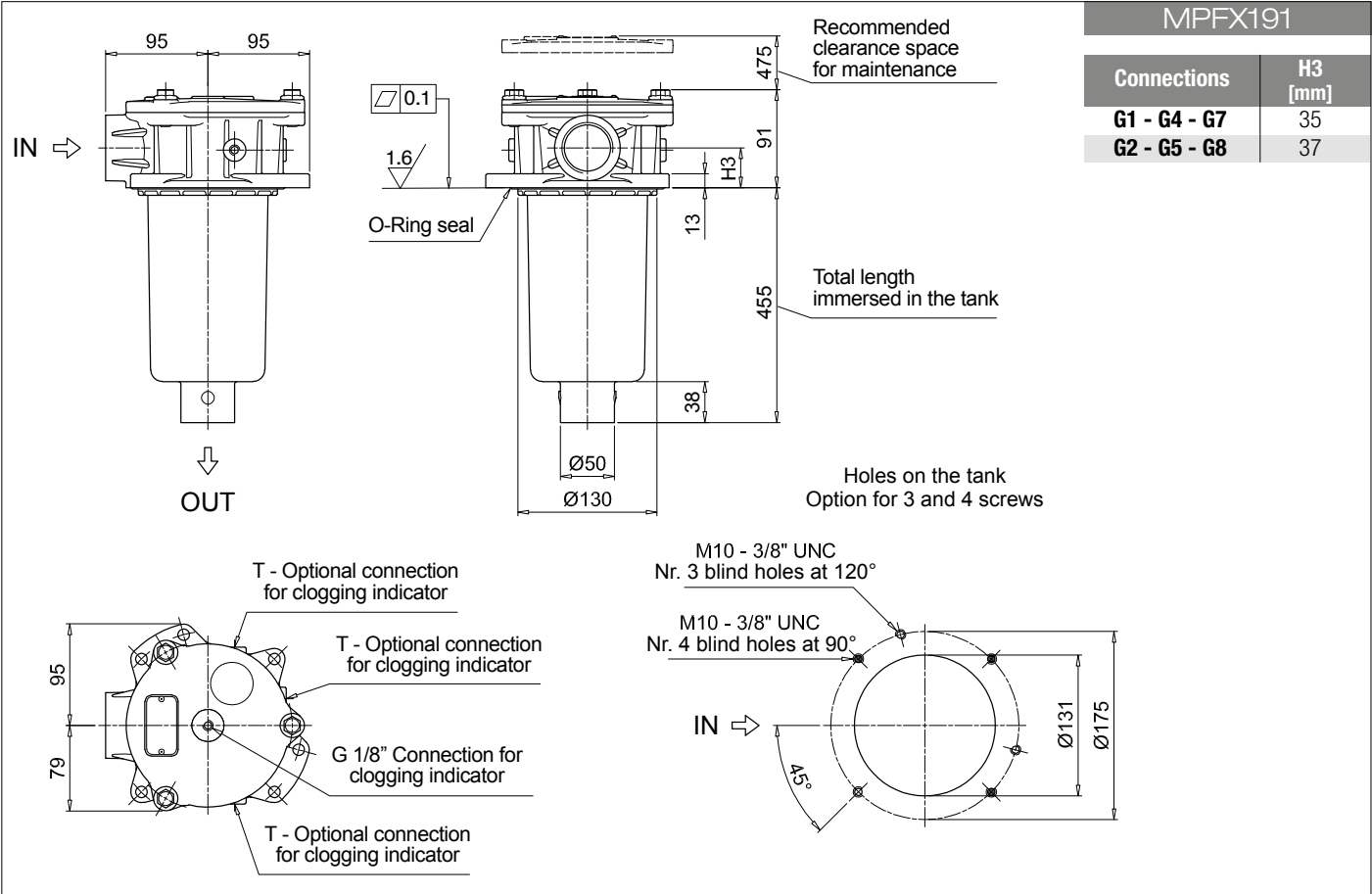
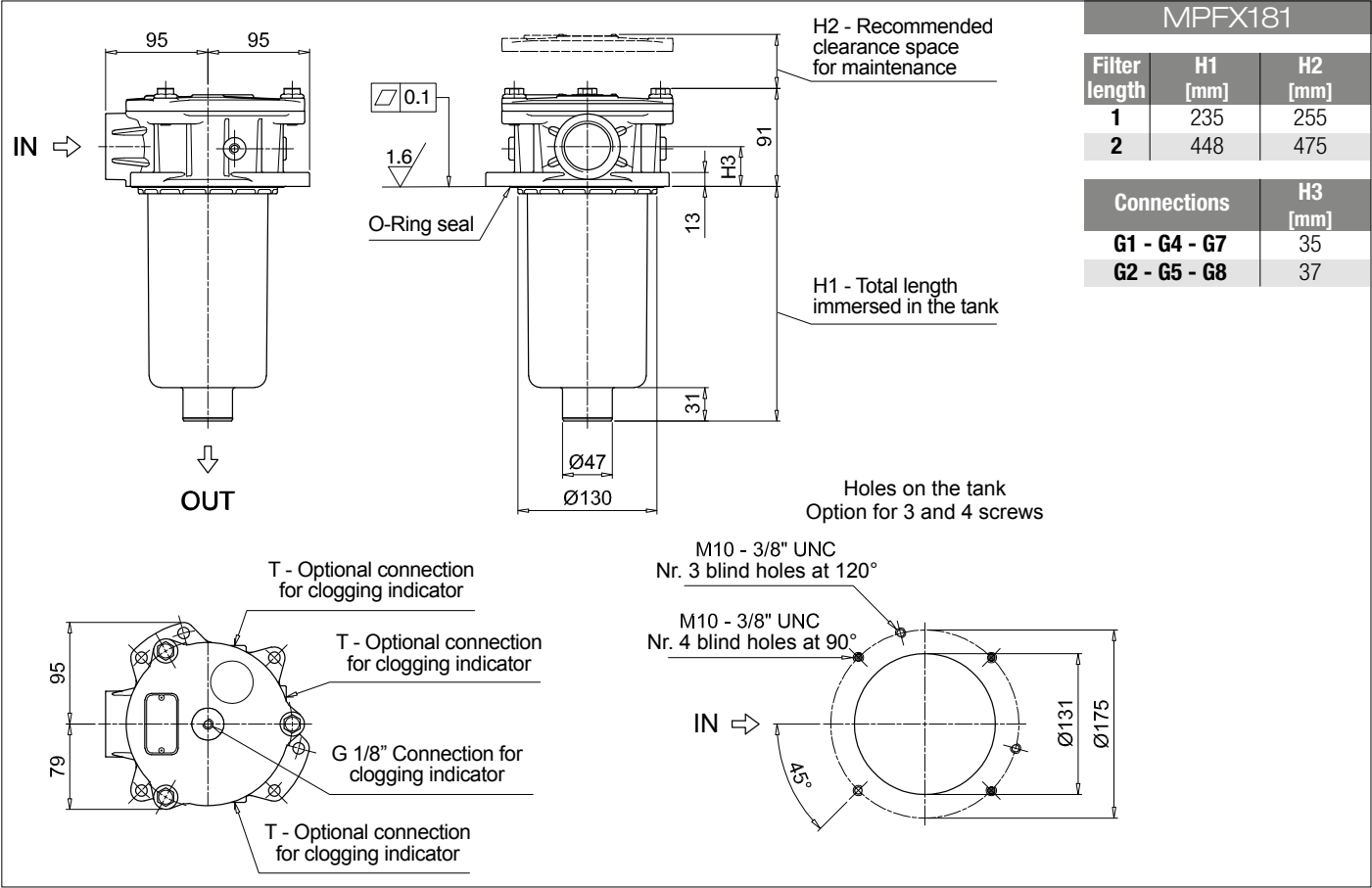
MPFX MPFX181 - MPFX191

Designation & Ordering code

COMPLETE FILTER									
Series and size			Configuration example 1: MPFX181 1 A G1 A25 H E P01						
MPFX181 MPFX191 Filter element with private spigot			Configuration example 2: MPFX191 2 V G2 P10 N B P01						
Length		Size 181	Size 191						
1		•							
2		•	•						
Seals and treatments									
A NBR		B NBR flat seal on head							
V FPM		D FPM flat seal on head							
W NBR head anodized		L NBR head anodized, flat seal on head							
Z FPM head anodized		M FPM head anodized, flat seal on head							
Connections									
G1 G 1 1/4"		G5 1 1/2" NPT							
G2 G 1 1/2"		G7 SAE 20 - 1 5/8" - 12 UN							
G4 1 1/4" NPT		G8 SAE 24 - 1 7/8" - 12 UN							
Filtration rating (filter media)									
A03 Inorganic microfiber 3 µm		M25 Wire mesh 25 µm							
A06 Inorganic microfiber 6 µm		M60 Wire mesh 60 µm							
A10 Inorganic microfiber 10 µm		M90 Wire mesh 90 µm							
A16 Inorganic microfiber 16 µm		P10 Resin impregnated paper 10 µm							
A25 Inorganic microfiber 25 µm		P25 Resin impregnated paper 25 µm							
Element Δp		Filter media							
		Axx	Mxx	Pxx					
N 10 bar			•	•					
H 10 bar			•						
W 10 bar, compatible with fluids HFA, HFB and HFC			•	•					
					Bypass valve		Execution		
					E 3 bar		P01 MP Filtri standard		
					B 1.75 bar		Pxx Customized		

FILTER ELEMENT									
Element series and size			Configuration example 1:						
MFX180 Filter element with private spigot			Configuration example 2:						
Element length									
1									
2									
Filtration rating (filter media)									
A03 Inorganic microfiber 3 µm			M25 Wire mesh 25 µm						
A06 Inorganic microfiber 6 µm			M60 Wire mesh 60 µm						
A10 Inorganic microfiber 10 µm			M90 Wire mesh 90 µm						
A16 Inorganic microfiber 16 µm			P10 Resin impregnated paper 10 µm						
A25 Inorganic microfiber 25 µm			P25 Resin impregnated paper 25 µm						
Element Δp			Filter media						
			Axx	Mxx	Pxx				
N 10 bar				•	•				
H 10 bar			•						
W 10 bar, compatible with fluids HFA, HFB and HFC			•	•					
			Seals		Bypass valve		Execution		
			B NBR		E 3 bar		P01 MP Filtri standard		
			V FPM		1.75 bar		Pxx Customized		

ACCESSORIES				
Indicators		page	page	
BVA	Axial pressure gauge	240	BEA	Electrical pressure indicator 239
BVR	Radial pressure gauge	240	BEM	Electrical pressure indicator 239
BVP	Visual pressure indicator with automatic reset	241	BLA	Electrical / visual pressure indicator 239-240
BVQ	Visual pressure indicator with manual reset	241		
Additional features		page		
TE	Extension tube	248		
T5	Filler plug M30x1.5	249		



MPFX MPFX182 - MPFX192

Designation & Ordering code

COMPLETE FILTER

Series and size

MPFX182 MPFX192 Filter element with private spigot

Configuration example 1:

MPFX1821AG11A25HEP01

Configuration example 2:

MPFX1922VG42P10NB P01

Length

Size 182

Size 192

1

2

Seals and treatments

A NBR

V FPM

W NBR head anodized

Z FPM head anodized

B NBR flat seal on head

D FPM flat seal on head

L NBR head anodized, flat seal on head

M FPM head anodized, flat seal on head

Main Connections

Aux size 1

Aux size 2

G1 G 1 1/4"

G4 1 1/4" NPT

G7 SAE 20 - 1 5/8" - 12 UN

G 1/2"

1/2" NPT

SAE 8 - 3/16" - 16 UNF

G 3/4"

3/4" NPT

SAE 12 - 1 1/16" - 12 UN

Aux connection - see previous table

1 Aux size 1

2 Aux size 2

Filtration rating (filter media)

A03 Inorganic microfiber 3 µm

A06 Inorganic microfiber 6 µm

A10 Inorganic microfiber 10 µm

A16 Inorganic microfiber 16 µm

A25 Inorganic microfiber 25 µm

M25 Wire mesh 25 µm

M60 Wire mesh 60 µm

M90 Wire mesh 90 µm

P10 Resin impregnated paper 10 µm

P25 Resin impregnated paper 25 µm

Element Δp

Axx

Mxx

Pxx

N 10 bar

H 10 bar

W 10 bar, compatible with fluids HFA, HFB and HFC

•

•

•

Bypass valve

E 3 bar

B 1.75 bar

Execution

P01 MP Filtri standard

Pxx Customized

FILTER ELEMENT

Element series and size

MPFX180 Filter element with private spigot

Configuration example 1:

MPFX1801A25HBEP01

Configuration example 2:

MPFX1802P10NV P01

Element length

1

2

Filtration rating (filter media)

A03 Inorganic microfiber 3 µm

A06 Inorganic microfiber 6 µm

A10 Inorganic microfiber 10 µm

A16 Inorganic microfiber 16 µm

A25 Inorganic microfiber 25 µm

M25 Wire mesh 25 µm

M60 Wire mesh 60 µm

M90 Wire mesh 90 µm

P10 Resin impregnated paper 10 µm

P25 Resin impregnated paper 25 µm

Element Δp

Axx

Mxx

Pxx

N 10 bar

H 10 bar

W 10 bar, compatible with fluids HFA, HFB and HFC

•

•

•

Seals

B NBR

V FPM

Bypass valve

E 3 bar

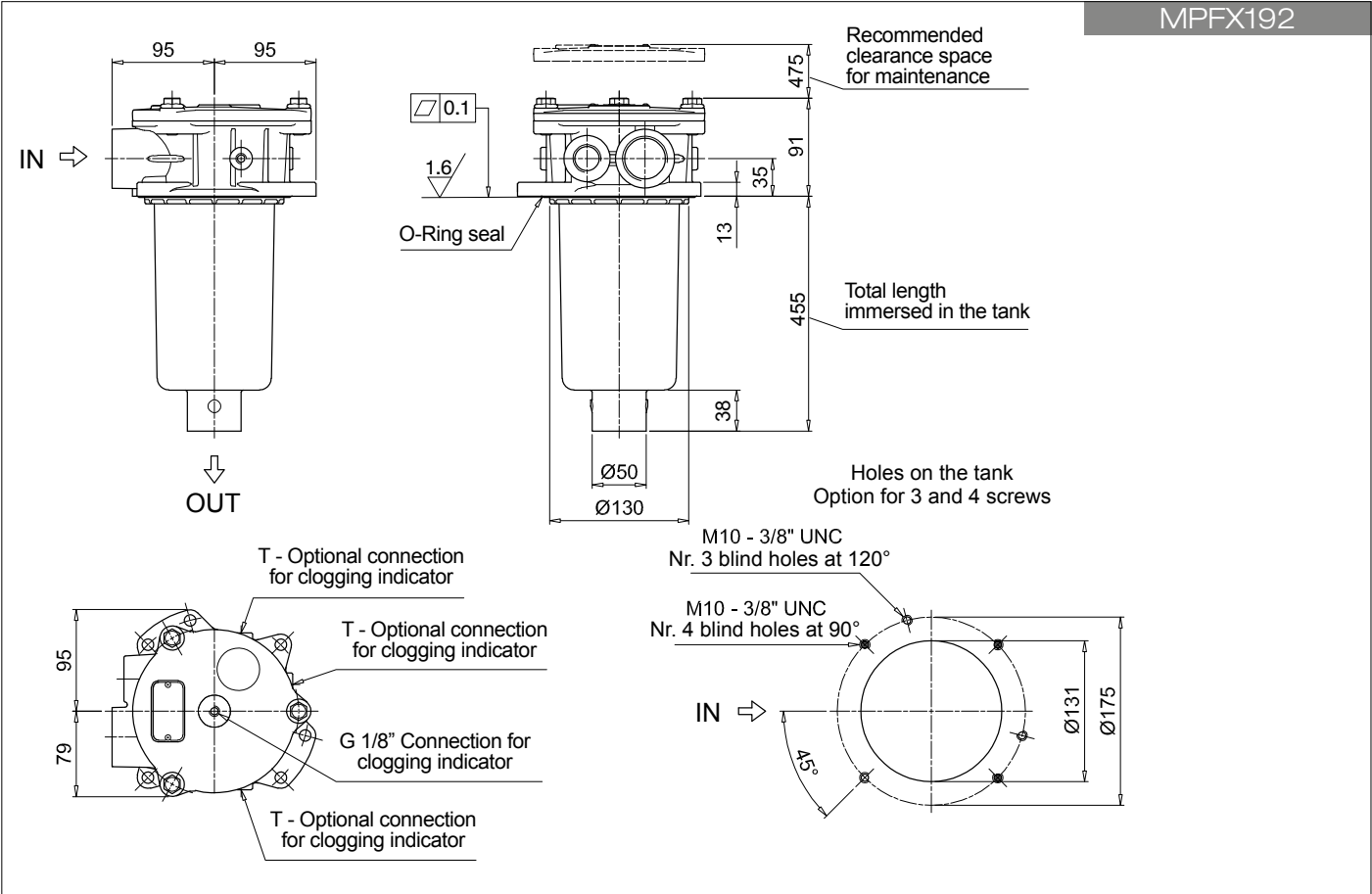
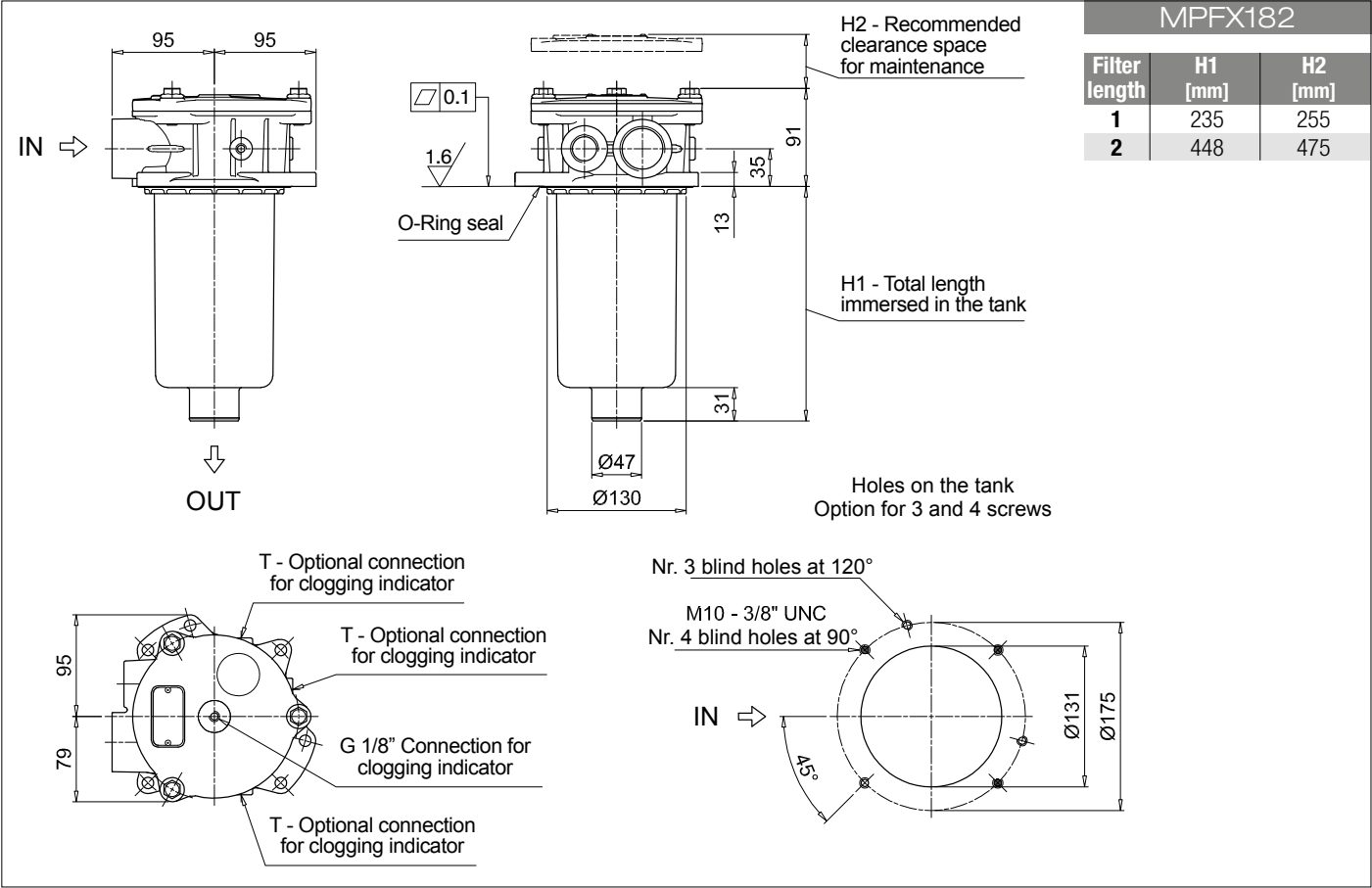
1.75 bar

Execution

P01 MP Filtri standard

Pxx Customized

ACCESSORIES			
Indicators		page	
BVA	Axial pressure gauge	240	BEA Electrical pressure indicator 239
BVR	Radial pressure gauge	240	BEM Electrical pressure indicator 239
BVP	Visual pressure indicator with automatic reset	241	BLA Electrical / visual pressure indicator 239-240
BVQ	Visual pressure indicator with manual reset	241	
Additional features		page	
TE	Extension tube	248	
T5	Filler plug M30x1.5	249	



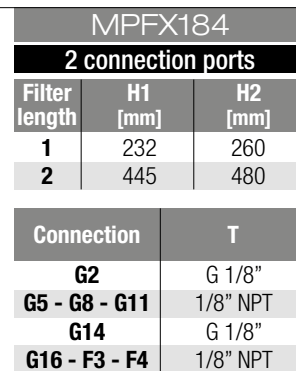
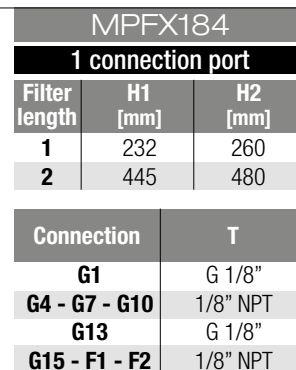
MPFX MPFX184 - MPFX194

Designation & Ordering code

COMPLETE FILTER									
Series and size			Configuration example 1: MPFX184 1 A G1 A25 H E P01						
MPFX184 MPFX194 Filter element with private spigot			Configuration example 2: MPFX194 2 V F3 P10 N B P01						
Length		Size 184	Size 194						
1		•							
2		• •							
Seals and treatments									
A NBR		W NBR		head anodized					
V FPM		Z FPM		head anodized					
Main Connections		Rear connections		Main Connections		Rear connections			
G1 G 1 1/4"		-		G13 G 1 1/2"		-			
G2 G 1 1/4"		G 1 1/4"		G14 G 1 1/2"		G 1 1/4"			
G4 1 1/4" NPT		-		G15 1 1/2" NPT		-			
G5 1 1/4" NPT		1 1/4" NPT		G16 1 1/2" NPT		1 1/4" NPT			
G7 SAE 20 - 1 5/8" - 12 UN		-		F1 1 1/2" SAE 3000 psi/M		-			
G8 SAE 20 - 1 5/8" - 12 UN		SAE 20 - 1 5/8" - 12 UN		F2 1 1/2" SAE 3000 psi/UNC		-			
G10 SAE 24 - 1 7/8" - 12 UN		-		F3 1 1/2" SAE 3000 psi/M		1 1/2" SAE 3000 psi/M			
G11 SAE 24 - 1 7/8" - 12 UN		SAE 20 - 1 5/8" - 12 UN		F4 1 1/2" SAE 3000 psi/UNC		1 1/2" SAE 3000 psi/UNC			
Filtration rating (filter media)									
A03 Inorganic microfiber 3 µm		M25 Wire mesh 25 µm							
A06 Inorganic microfiber 6 µm		M60 Wire mesh 60 µm							
A10 Inorganic microfiber 10 µm		M90 Wire mesh 90 µm							
A16 Inorganic microfiber 16 µm		P10 Resin impregnated paper 10 µm							
A25 Inorganic microfiber 25 µm		P25 Resin impregnated paper 25 µm							
Element Δp		Filter media							
		Axx	Mxx	Pxx					
N 10 bar			•	•					
H 10 bar			•						
W 10 bar, compatible with fluids HFA, HFB and HFC		•	•						
				Bypass valve		Execution			
				E 3 bar		P01 MP Filtri standard			
				B 1.75 bar		Pxx Customized			

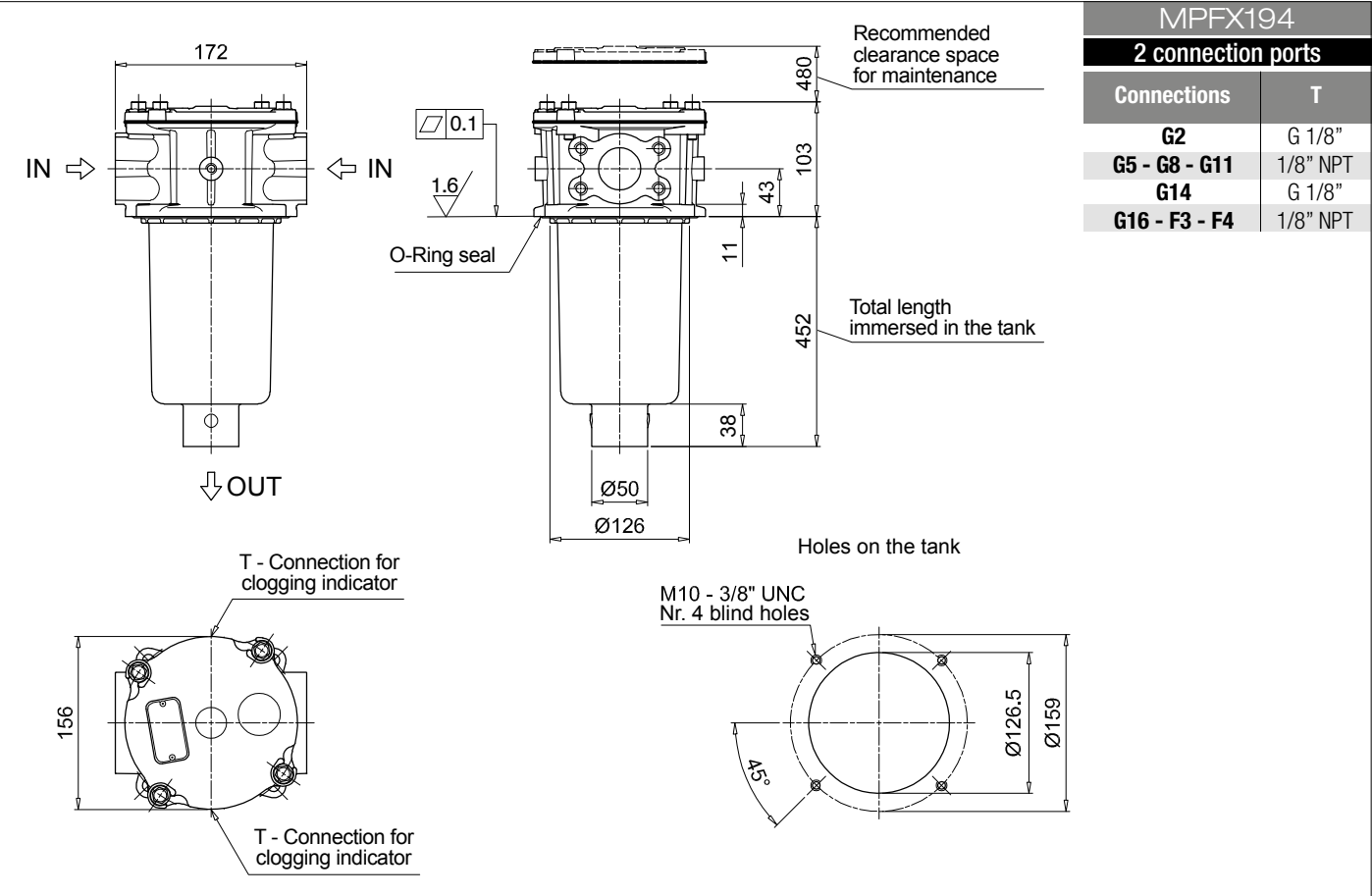
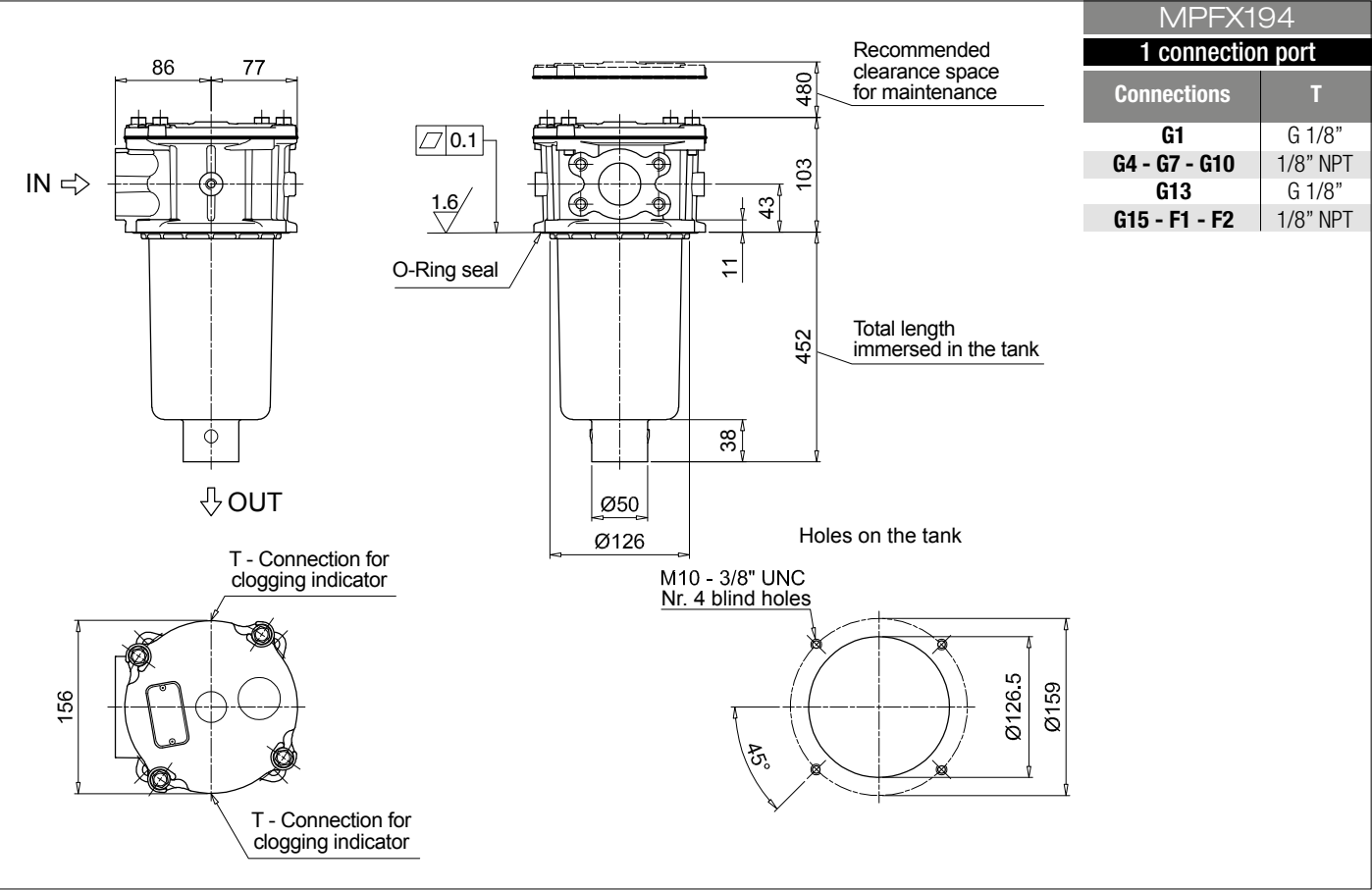
FILTER ELEMENT									
Element series and size			Configuration example 1:						
MFX180 Filter element with private spigot			Configuration example 2:						
Element length									
1									
2									
Filtration rating (filter media)									
A03 Inorganic microfiber 3 µm		M25 Wire mesh 25 µm							
A06 Inorganic microfiber 6 µm		M60 Wire mesh 60 µm							
A10 Inorganic microfiber 10 µm		M90 Wire mesh 90 µm							
A16 Inorganic microfiber 16 µm		P10 Resin impregnated paper 10 µm							
A25 Inorganic microfiber 25 µm		P25 Resin impregnated paper 25 µm							
Element Δp			Filter media						
			Axx	Mxx	Pxx				
N 10 bar				•	•				
H 10 bar				•					
W 10 bar, compatible with fluids HFA, HFB and HFC			•	•					
			Seals		Bypass valve		Execution		
			B NBR		E 3 bar		P01 MP Filtri standard		
			V FPM		1.75 bar		Pxx Customized		

ACCESSORIES									
Indicators				page					
BVA Axial pressure gauge				240					
BVR Radial pressure gauge				240					
BVP Visual pressure indicator with automatic reset				241					
BVQ Visual pressure indicator with manual reset				241					
Additional features				page					
TE Extension tube				248					
T5 Filler plug M30x1.5				249					
						page			
BEA Electrical pressure indicator						239			
BEM Electrical pressure indicator						239			
BLA Electrical / visual pressure indicator						239-240			



MPFX MPFX184 - MPFX194

Dimensions



Designation & Ordering code

COMPLETE FILTER

Series and size

MPFX400 Filter element with private spigot

Configuration example 1:

MPFX4001AG9A25HBPO1

Configuration example 2:

MPFX4002VG4P10NEPO1

Length

123

Seals and treatments

A

NBR

V

FPM

W

NBR

head anodized

Z

FPM

head anodized

Connections

G1

G 1 1/4"

G2

G 1 1/2"

G3

G 2"

G4

1 1/4" NPT

G5

1 1/2" NPT

G6

2" NPT

G7

SAE 20 - 1 5/8" - 12 UN

G8

SAE 24 - 1 7/8" - 12 UN

G9

SAE 32 - 2 1/2" - 12 UN

Filtration rating (filter media)

A03

Inorganic microfiber

3 μm

A06

Inorganic microfiber

6 μm

A10

Inorganic microfiber

10 μm

A16

Inorganic microfiber

16 μm

A25

Inorganic microfiber

25 μm

M25

Wire mesh

25 μm

M60

Wire mesh

60 μm

M90

Wire mesh

90 μm

P10

Resin impregnated paper

10 μm

P25

Resin impregnated paper

25 μm

Element Δp

N

10 bar

H

10 bar

W

10 bar, compatible with fluids HFA, HFB and HFC

Filter media

Axx

Mxx

Pxx

Bypass valve

E

3 bar

B

1.75 bar

Execution

P01

MP Filtri standard

Pxx

Customized

FILTER ELEMENT

Element series and size

MFX400 Filter element with private spigot

Configuration example 1:

MFX4001A25HBPO1

Configuration example 2:

MFX4002P10NVEP01

Element length

123

Filtration rating (filter media)

A03

Inorganic microfiber

3 μm

A06

Inorganic microfiber

6 μm

A10

Inorganic microfiber

10 μm

A16

Inorganic microfiber

16 μm

A25

Inorganic microfiber

25 μm

M25

Wire mesh

25 μm

M60

Wire mesh

60 μm

M90

Wire mesh

90 μm

P10

Resin impregnated paper

10 μm

P25

Resin impregnated paper

25 μm

Element Δp

N

10 bar

H

10 bar

W

10 bar, compatible with fluids HFA, HFB and HFC

Filter media

Axx

Mxx

Pxx

Seals

B

NBR

V

FPM

Bypass valve

E

3 bar

1.75 bar

Execution

P01

MP Filtri standard

Pxx

Customized

ACCESSORIES

Indicators

BVA

Axial pressure gauge

BVR

Radial pressure gauge

BVP

Visual pressure indicator with automatic reset

BVQ

Visual pressure indicator with manual reset

page

240

240

241

241

Additional features

T5

Filler plug M30x1.5

page

249

BEA

Electrical pressure indicator

239

BEM

Electrical pressure indicator

239

BLA

Electrical / visual pressure indicator

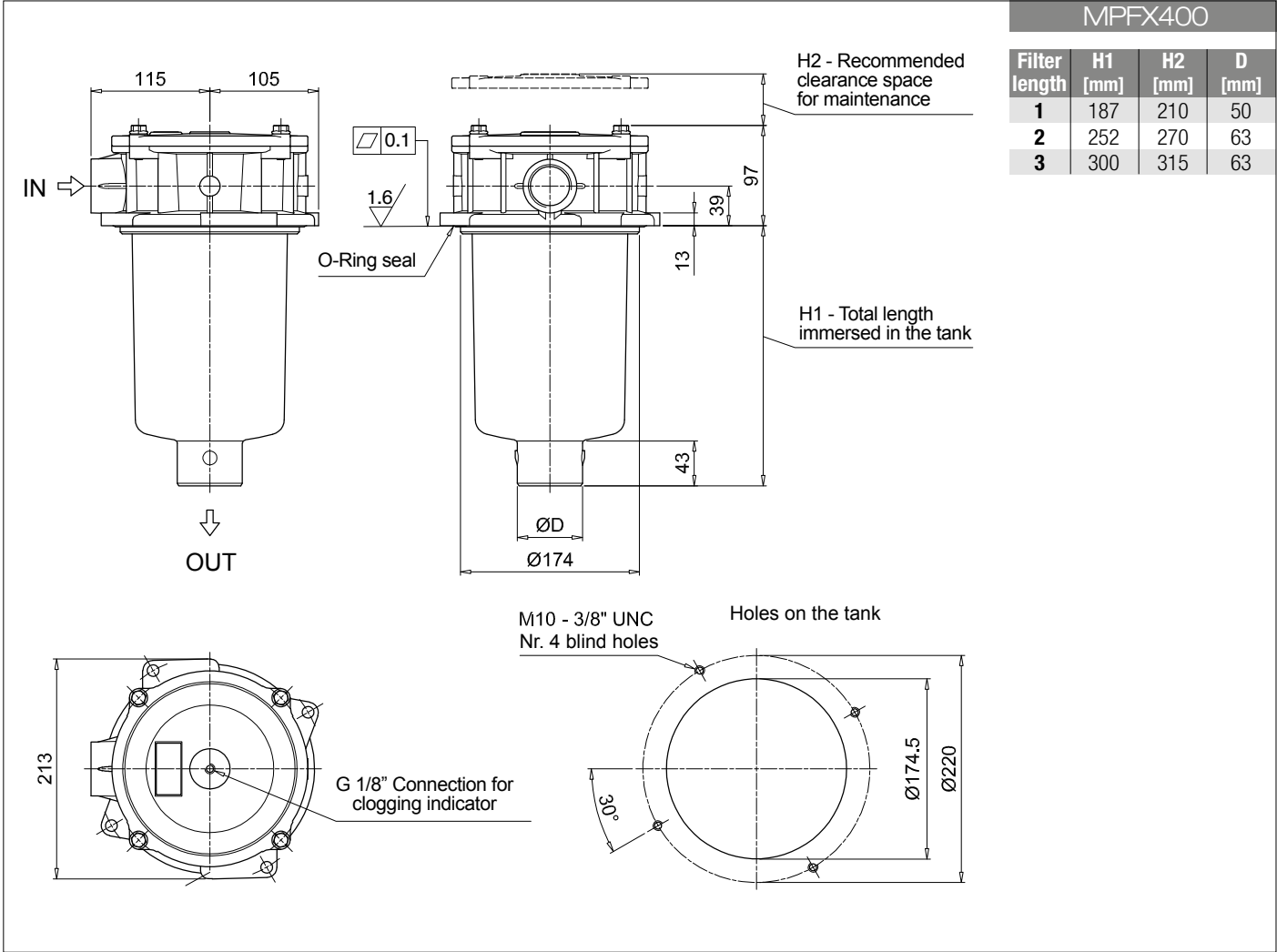
239-240

Return filters

82

MP FILTRI

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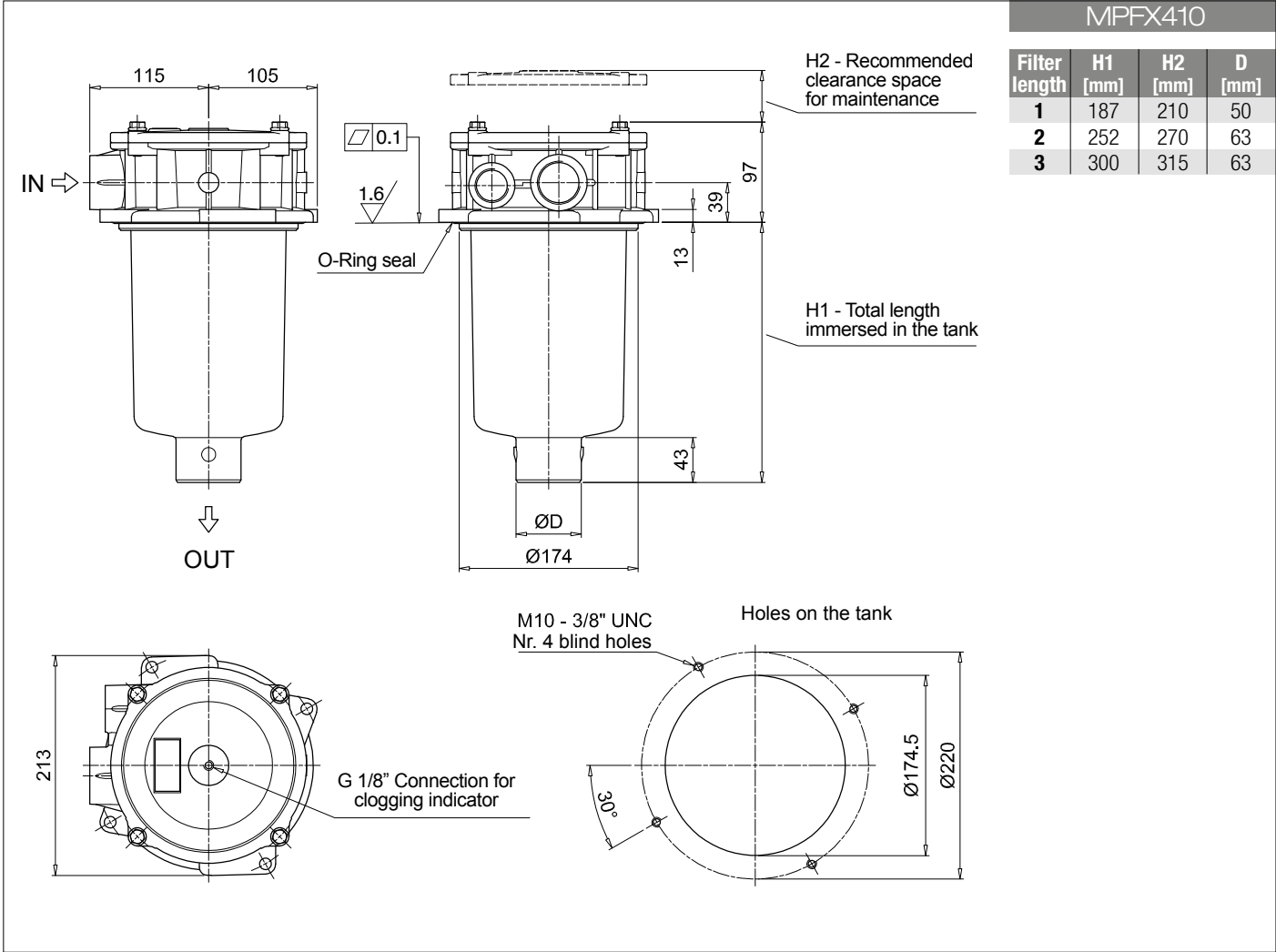


Designation & Ordering code

COMPLETE FILTER									
Series and size		Configuration example 1: MPFX410 1 V G4 1 P10 N E P01							
MPFX410 Filter element with private spigot		Configuration example 2: MPFX410 1 A G1 1 A25 H B P01							
Length									
1 2 3									
Seals and treatments									
A NBR									
V FPM									
W NBR head anodized									
Z FPM head anodized									
Main Connections		Aux size 1							
G1 G 1 1/4"		G 1"							
G4 1 1/4" NPT		1" NPT							
G7 SAE 20 - 1 5/8" - 12 UN		SAE 16 - 1 5/16" - 12 UN							
Aux connection - see previous table									
1 Aux size 1									
Filtration rating (filter media)									
A03 Inorganic microfiber 3 µm		M25 Wire mesh 25 µm							
A06 Inorganic microfiber 6 µm		M60 Wire mesh 60 µm							
A10 Inorganic microfiber 10 µm		M90 Wire mesh 90 µm							
A16 Inorganic microfiber 16 µm		P10 Resin impregnated paper 10 µm							
A25 Inorganic microfiber 25 µm		P25 Resin impregnated paper 25 µm							
Element Δp		Filter media							
N 10 bar		Axx Mxx Pxx							
H 10 bar		• • •							
W 10 bar, compatible with fluids HFA, HFB and HFC		• • •							
		Bypass valve							
		E 3 bar							
		B 1.75 bar							
		Execution							
		P01 MP Filtri standard							
		Pxx Customized							

FILTER ELEMENT									
Element series and size		Configuration example 1: MFX400 1 P10 N V E P01							
MFX400 Filter element with private spigot		Configuration example 2: MFX400 1 A25 H B P01							
Element length									
1 2 3									
Filtration rating (filter media)									
A03 Inorganic microfiber 3 µm		M25 Wire mesh 25 µm							
A06 Inorganic microfiber 6 µm		M60 Wire mesh 60 µm							
A10 Inorganic microfiber 10 µm		M90 Wire mesh 90 µm							
A16 Inorganic microfiber 16 µm		P10 Resin impregnated paper 10 µm							
A25 Inorganic microfiber 25 µm		P25 Resin impregnated paper 25 µm							
Element Δp		Filter media							
N 10 bar		Axx Mxx Pxx							
H 10 bar		• • •							
W 10 bar, compatible with fluids HFA, HFB and HFC		• • •							
		Seals							
		B NBR							
		V FPM							
		Bypass valve							
		E 3 bar							
		1.75 bar							
		Execution							
		P01 MP Filtri standard							
		Pxx Customized							

ACCESSORIES			
Indicators		page	page
BVA	Axial pressure gauge	240	BEA Electrical pressure indicator 239
BVR	Radial pressure gauge	240	BEM Electrical pressure indicator 239
BVP	Visual pressure indicator with automatic reset	241	BLA Electrical / visual pressure indicator 239-240
BVQ	Visual pressure indicator with manual reset	241	
Additional features		page	
T5	Filler plug M30x1.5	249	



MPFX MPFX450 - MPFX451 - MPFX750

Designation & Ordering code

COMPLETE FILTER

Series and size

MPFX450 | MPFX451 | MPFX750

Filter element with private spigot

Length

MPFX 450 | MPFX 451 | MPFX 750

1

•

•

•

2

•

•

3

•

•

Seals and treatments

A NBR

W NBR head anodized

V FPM

Z FPM head anodized

Connections

Aux (only size 451)

G1 G 2"

G 3/4"

G4 2" NPT

3/4" NPT

G7 SAE 32 - 2 1/2" - 12 UN

SAE 12 - 1 1/16" - 12 UN

F1 2" SAE 3000 psi/M

G 3/4"

F2 2" SAE 3000 psi/UN

3/4" NPT

Filtration rating (filter media)

A03 Inorganic microfiber 3 μm

M25 Wire mesh 25 μm

A06 Inorganic microfiber 6 μm

M60 Wire mesh 60 μm

A10 Inorganic microfiber 10 μm

M90 Wire mesh 90 μm

A16 Inorganic microfiber 16 μm

P10 Resin impregnated paper 10 μm

A25 Inorganic microfiber 25 μm

P25 Resin impregnated paper 25 μm

Element Δp

Axx | Mxx | Pxx

N 10 bar

•

•

H 10 bar

•

W 10 bar, compatible with fluids HFA, HFB and HFC

•

•

Configuration example 1:

MPFX450

1

A

G1

A25

H

B

P01

Configuration example 2:

MPFX750

1

V

F2

P10

N

E

P01

Bypass valve

E 3 bar

B 1.75 bar

Execution

P01 MP Filtri standard

Pxx Customized

FILTER ELEMENT

Element series and size

MPFX400 | MPFX750

Filter element with private spigot

Element length

MPFX 450 | MPFX 451 | MPFX 750

1

•

•

•

2

•

•

3

•

•

Filtration rating (filter media)

A03 Inorganic microfiber 3 μm

M25 Wire mesh 25 μm

A06 Inorganic microfiber 6 μm

M60 Wire mesh 60 μm

A10 Inorganic microfiber 10 μm

M90 Wire mesh 90 μm

A16 Inorganic microfiber 16 μm

P10 Resin impregnated paper 10 μm

A25 Inorganic microfiber 25 μm

P25 Resin impregnated paper 25 μm

Element Δp

Axx | Mxx | Pxx

N 10 bar

•

•

H 10 bar

•

W 10 bar, compatible with fluids HFA, HFB and HFC

•

•

Configuration example 1:

MPFX400

1

A25

H

B

P01

Configuration example 2:

MPFX750

1

P10

N

V

E

P01

Seals

B NBR

V FPM

Bypass valve

E 3 bar

1.75 bar

Execution

P01 MP Filtri standard

Pxx Customized

ACCESSORIES

Indicators

page

BVA Axial pressure gauge

240

BVR Radial pressure gauge

240

BVP Visual pressure indicator with automatic reset

241

BVQ Visual pressure indicator with manual reset

241

Additional features

page

T5 Filler plug M30x1.5

249

BEA Electrical pressure indicator

page

239

BEM Electrical pressure indicator

239

BLA Electrical / visual pressure indicator

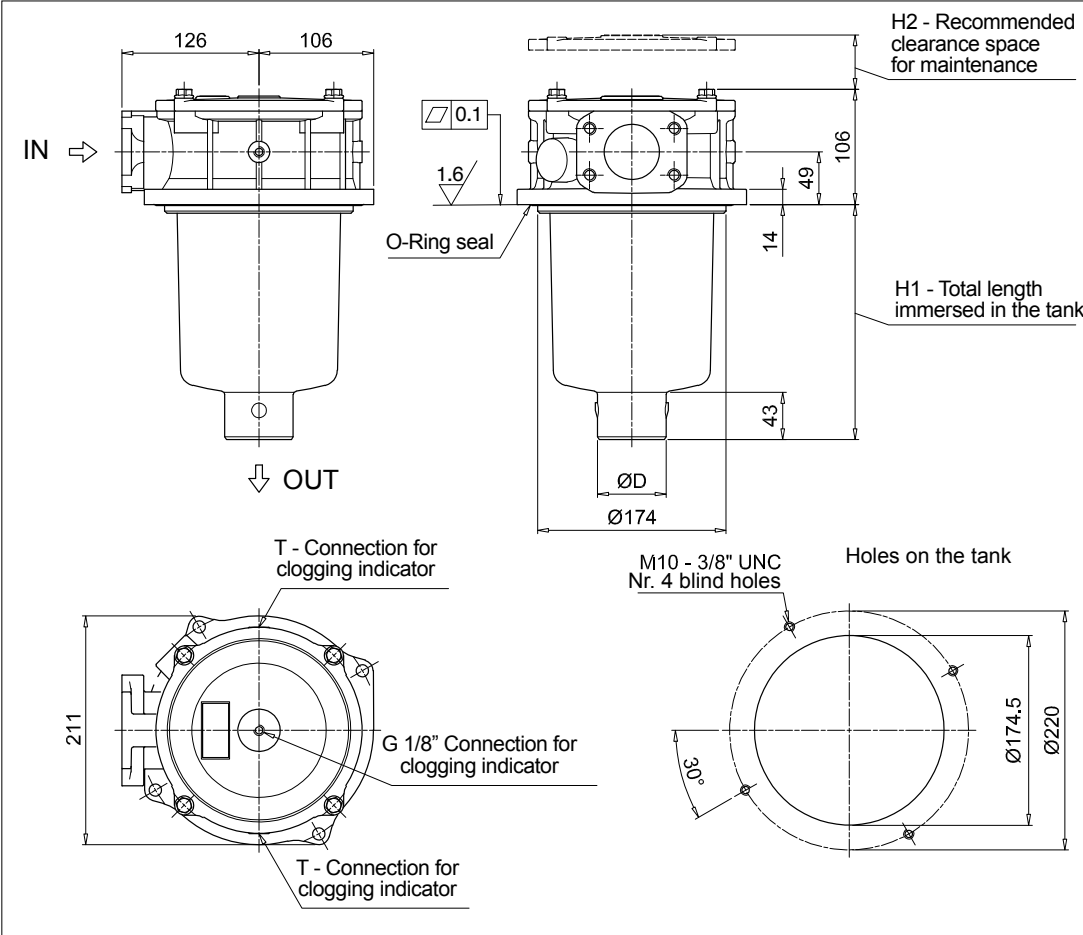
239-240

Return filters

86

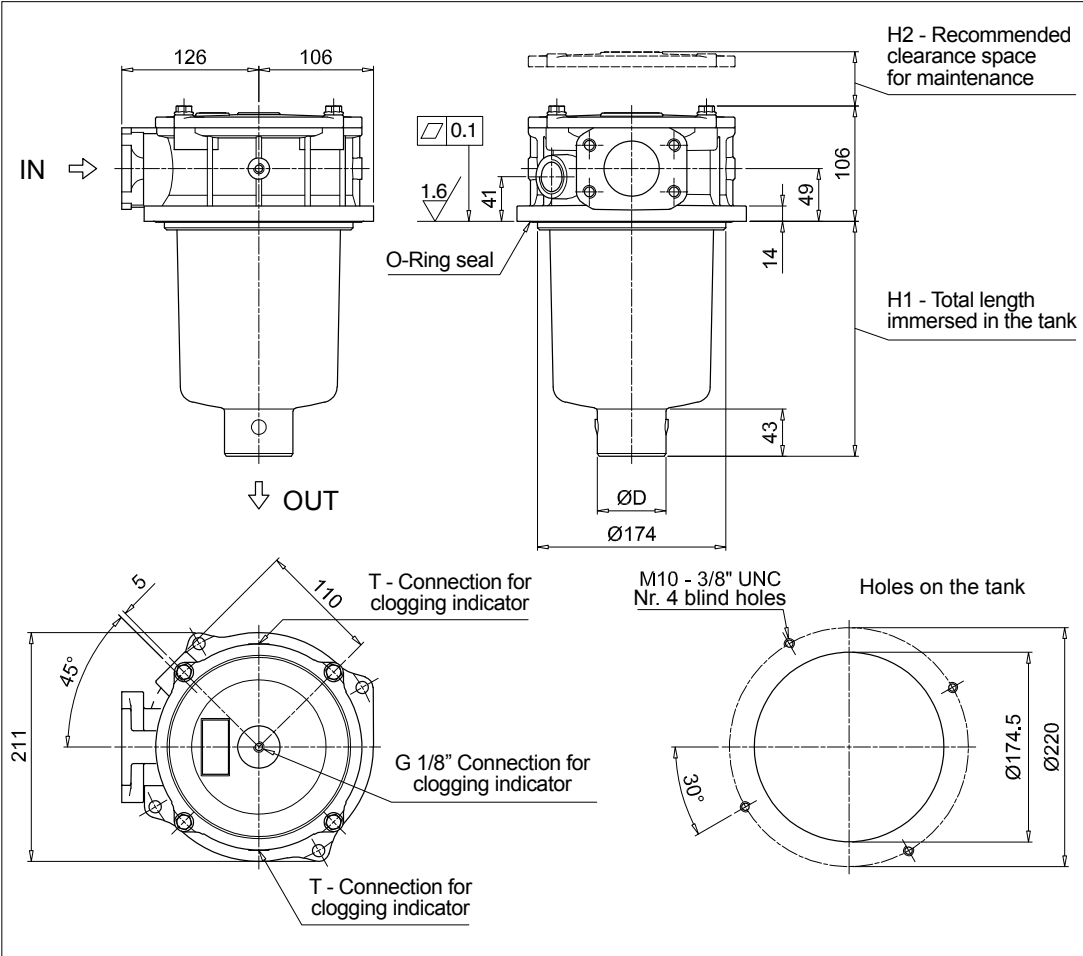
MPFILTRI

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MPFX450			
Filter length	H1 [mm]	H2 [mm]	D [mm]
1	187	210	50
2	252	270	63
3	300	315	63

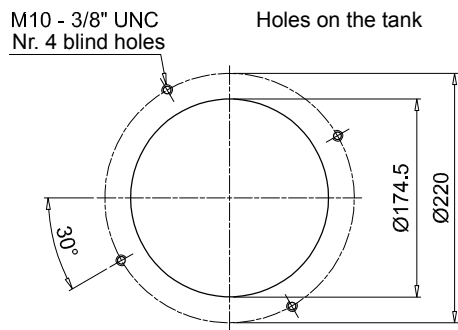
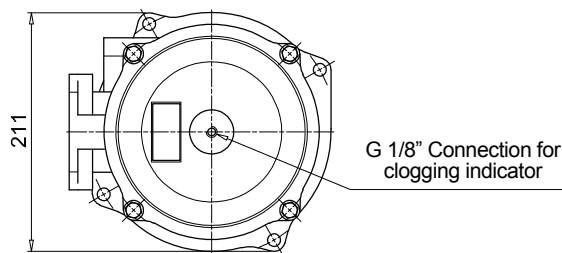
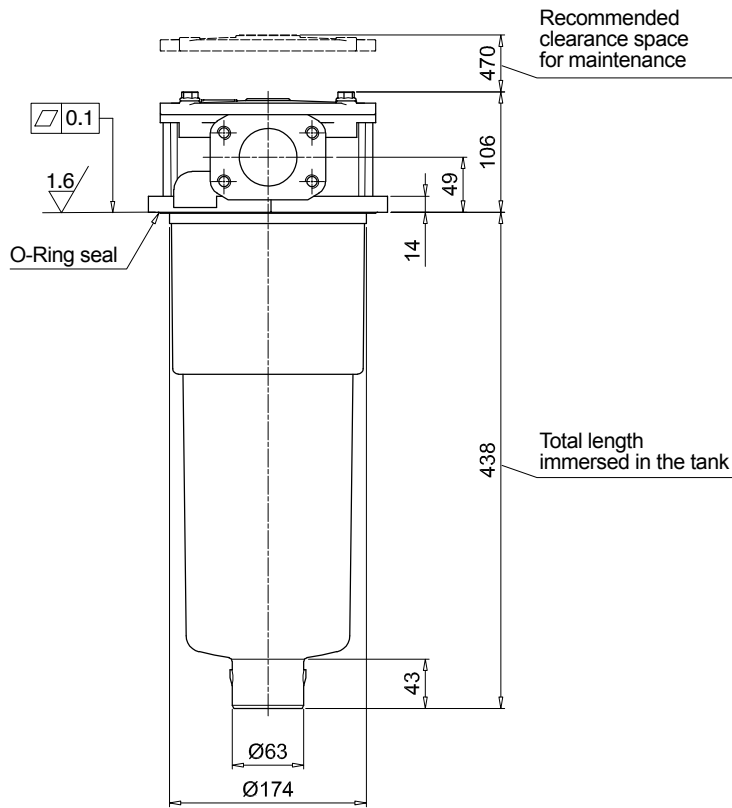
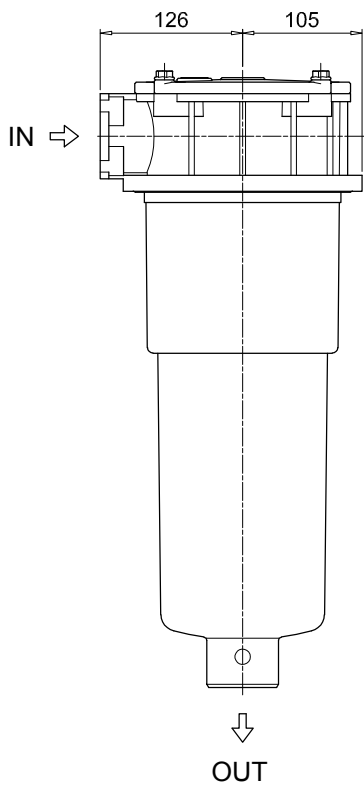
Connections	T
G1	G 1/8"
G4 - G7	1/8" NPT
F1	G 1/8"
F2	1/8" NPT



MPFX451			
Filter length	H1 [mm]	H2 [mm]	D [mm]
1	187	210	50
2	252	270	63
3	300	315	63

Connections	T
G1	G 1/8"
G4 - G7	1/8" NPT
F1	G 1/8"
F2	1/8" NPT

MPFX750



MPFX 100

MPFX 181

O-RING SEAL

Item:	Q.ty: 1 pc. 2	Q.ty: 1 pc. 3 (3a ÷ 3d)	
Filter series	Filter element	Seal Kit code number NBR	FPM
MPFX 030	See order table	02050675	02050676
MPFX 100-110		02050677	02050678
MPFX 181-182		02050681	02050682
MPFX 184		02050685	02050686
MPFX 191-192		02050683	02050684
MPFX 194		02050687	02050688
MPFX 400-410		02050695	02050696
MPFX 450-451		02050697	02050698
MPFX 750		02050699	02050700

MPFX 104

MPFX 181

FLAT SEAL

Item:	Q.ty: 1 pc. 2	Q.ty: 1 pc. 3 (3a ÷ 3d)	
Filter series	Filter element	Seal Kit code number NBR	FPM
MPFX 104	See order table	02050679	02050680
MPFX 181-182		02050691	02050692
MPFX 191-192		02050691	02050692